

Portable Stand-Alone Rock Crusher Permit Application Information – Not For Quarries

This packet contains the **EXPEDITED** Application for Construction Permit for a portable rock crusher.

In order for a facility to be eligible to use the **EXPEDITED** Application, the facility must be a rock crusher that meets the following requirements:

- Total plant throughput capacity up to 650 tons per hour (can include multiple crushers, screens, etc);
- Portable and moved at least once during every 12 month period;
- Does not use a capture system and vent to a stack;
- 18 or fewer conveyor transfer points; and
- Can include screens, grizzly feeder, bins, hoppers, truck unloading, and loading.
- Not for a plant with a Class II General Operating Permit and quarry sites.

A facility that meets the following criteria is below KDHE air permit reporting thresholds. If the facility meets all the following criteria, no permit or reporting is required:

- Total plant throughput capacity up to 115 tons per hour (can include multiple crushers, screens, etc);
- Portable and moved at least once during every 12 month period;
- 4 or fewer conveyor transfer points; and
- Can include screens, grizzly feeder, bins, hoppers, truck unloading, and loading.

Instructions:

1. **Fill out the EXPEDITED Application Form.**
2. **Submit fee for the Construction Permit. This fee can be paid by check or credit card.**
3. **Submit application form and fee to:**

**KDHE Bureau of Air Permit Section
1000 SW Jackson, Suite 310
Topeka, KS 66612-1366**

OR

Email to KDHE.BOAPermit@ks.gov

OR

FAX to (785) 291-3953

If forms are sent by either email or fax, you may either mail the fee or pay by credit card (see attached form).

4. **Kansas regulations prohibit beginning construction of or operating the plant prior to receiving air quality construction permits, if applicable.**

**WITH KDHE AUTHORIZED SIGNATURE, THIS DOCUMENT WILL SERVE AS THE
FACILITY CONSTRUCTION PERMIT. PLEASE READ CAREFULLY.**



Kansas Department of Health and Environment – Bureau of Air
1000 SW Jackson, Suite 310, Topeka, KS 66612
Phone: (785)296-1570 or 296-6024 Fax: (785)291-3953
EXPEDITED Application for Construction Permit
Portable Standalone Crushed and Broken Stone – Not For Quarries

This form is for Portable Crushed and Broken Stone Plants (Rock Crushers). The facility shall submit this form, by fax, mail, or electronically to KDHE.BOAPermit@ks.gov, along with any requested information. Notifications and reports shall be submitted to the above address.

- ☐ Applying for a construction permit for a new plant
- ☐ Applying for a construction permit for an existing plant – adding or modifying equipment

I. Facility Information

Company Name:		Source ID Number (leave blank if new):
NAICS/SIC (primary codes): 1422, 1423, or 1429 /212312 crushed and broken stone		
Source Location (please indicate the initial location below)		
Facility Name: (can be the same as the company name)		
Street Address:	County:	
City, State, Zip:	Section, Township, Range:	
Mailing Address (if different)		
Street Address:	City, State, Zip:	
Contact Information		
Name:	Telephone Number:	
Email:	Fax Number:	

For KDHE Office Use Only

This application and documentation has been reviewed and the listed equipment (or equivalent) is approved and permitted for construction under K.A.R. 28-19-300.

Source ID: _____ Permit Writer: _____

C#: _____ Signature: _____

D.O.: _____ Date: _____

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II. Description of Activity Subject to Air Pollution Control Regulations

The above listed owner or operator proposes to install and operate a portable rock crushing plant. The proposed plant may include total throughput capacity up to 650 tons per hour, and can consist of primary, secondary, and/or tertiary crushing. The proposed plant may include 18 or fewer conveyor transfer points, and can include screens, grizzly feeders, truck unloading, truck loading, bins, and/or hoppers. Any engines used must be non-road.

The Kansas Department of Health and Environment (KDHE) reviewed the air quality requirements for the proposed activity. Potential emissions of particulate matter (PM) and particulate matter with an aerodynamic diameter less than or equal to 10 micrometers (PM₁₀) were evaluated for equipment as described above. The installation is subject to the provisions of **K.A.R. 28-19-300 (Construction permits and approvals; applicability)** because the potential-to-emit (PTE) of PM and PM₁₀ exceeds 25 and 15 tons per year, respectively.

III. Significant Applicable Requirements

- A. 40 CFR Part 60 Subpart OOO, *Standards of Performance for Nonmetallic Minerals Processing Plants* and Subpart A, *General Provisions*
- B. K.A.R. 28-19-20 Particulate matter emission limitation
- C. K.A.R. 28-19-650(a) Opacity requirements
- D. K.A.R. 28-19-9(c) Time schedule for compliance

IV. State Regulatory Air Emission Limitations

- A. K.A.R. 28-19-650 limits opacity to 20% for sources constructed after January 1, 1971, including the discharge end of stockpiling conveyors, which are not subject to opacity standards under 40 CFR Part 60 Subpart OOO.
- B. K.A.R. 28-19-20 limits the quantity of particulate emissions from processing equipment in proportion to the rate at which materials are processed. The rock crushing equipment is expected to comply with this regulation when operating according to the manufacturer's specifications for the equipment.

V. 40 CFR Part 60 Subpart OOO and Subpart A Requirements

If the facility wide crushing capacity exceeds 150 tons per hour, then the requirements in this section apply to equipment in Attachment 1, Tables B and C.

A. Emission Limitations

If the proposed plant exceeds 150 tons per hour capacity, then the emission limits of 40 CFR Part 60 Subpart OOO (hereafter referred to as Subpart OOO) apply, as outlined in 60.672 and summarized in the following table. The emission limits and compliance demonstration requirements must be met within 60 days after achieving the maximum production rate at which the facility will be operated, but not later than 180 days after initial startup.

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	Grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations	Crushers at which a capture system is not used	Compliance Demonstration
<p>Manufactured, modified, or reconstructed¹ after August 31, 1983 but before April 22, 2008</p> <p>All equipment in Attachment 1, Table B at a facility that has crushing capacity > 150 tons per hour is subject to these requirements.</p>	10 percent opacity	15 percent opacity	Initial performance test according to 40 CFR §60.11 and 40 CFR §60.675.
<p>Manufactured, modified, or reconstructed on or after April 22, 2008¹</p> <p>All equipment in Attachment 1, Table C at a facility that has crushing capacity > 150 tons per hour is subject to these requirements.</p>	7 percent opacity	12 percent opacity	<ul style="list-style-type: none"> Initial performance test according to 40 CFR §60.11 and 40 CFR §60.675; AND Periodic inspections of water sprays according to §60.674(b) and §60.676(b); and A repeat performance test according to 40 CFR §60.11 and 40 CFR §60.675 within 5 years from the previous performance test for fugitive emissions from affected facilities without water sprays. <p>Affected facilities controlled by water carryover from upstream water sprays that are inspected according to the requirements in 40 CFR §60.674(b) and 40 CFR §60.676(b) are exempt from this 5-year repeat testing requirement.</p>

¹ Here, “manufactured” means constructed per EPA Region 5, January 12, 1988 determination (Control Number NR30). Reconstructed or modified shall be as defined in 40 CFR Part 60 Subpart OOO.

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B. Monitoring

Affected facilities of 40 CFR Part 60 Subpart OOO (listed in Attachment 1, Table C) that commenced construction, modification, or reconstruction on or after April 22, 2008, shall conduct periodic inspections of their water sprays according to 40 CFR 60.674(b) and 60.676(b), as applicable.

C. Test Methods and Procedures

1. Equipment subject to Subpart OOO (listed in Attachment 1, Tables B and C) requires initial performance testing per 40 CFR 60.8(a). Performance testing is to be completed within 60 days after achieving the maximum production rate, but no later than 180 days after the initial startup. Equipment that is required to perform initial testing shall conduct the initial performance test in accordance with 40 CFR 60.11 and 60.675. A written report of the performance test shall be furnished to KDHE within thirty (30) days after the test has been completed.
2. Equipment subject to Subpart OOO (listed in Attachment 1, Table C) shall conduct a repeat performance test according to 40 CFR 60.11 and 60.675 within five years from the previous performance test unless KDHE is notified as per the requirements of **Section V. D. Notification, Reporting, and Recordkeeping Item 7.**

As indicated in Table 3 of Subpart OOO and 40 CFR 60.674(b)(1), affected facilities controlled by water sprays and water carry over from upstream water sprays that are inspected in accordance with 60.674(b) and 60.676(b) and meet the criteria in subsections 60.674(b)(1)(i) and (ii) are exempt from this five-year repeat testing requirement.

3. In accordance with 40 CFR 60.675(c)(1), performance testing is to be conducted using Method 9 (40 CFR Part 60, Appendix A).

D. Notification, Reporting, and Recordkeeping

1. Submit the following notifications relating to equipment subject to Subpart OOO (listed in Attachment 1, Tables B and C) in accordance with 40 CFR 60.7(a), as applicable:
 - i. the actual date of the initial start-up, postmarked within 15 days after that date;
 - ii. the maximum production rate achieved; and
 - iii. scheduled date for performance testing 30 days prior to testing.
2. Records consisting of the occurrence and duration of any start-up, shutdown or malfunction in the operation of the equipment and any associated control equipment subject to Subpart OOO are to be maintained according to 40 CFR 60.7(b), as applicable.
3. All records shall be updated monthly, no later than the last day of the month following the month to which the records relate. All records must be located at the facility, whenever operating at that facility, for a minimum period of 2 years after the date of the record.

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4. Each owner or operator of equipment subject to Subpart 000 (listed in Attachment 1 Tables B and C) that commenced construction, modification, or reconstruction on or after April 22, 2008, must record each periodic inspection of water sprays required under §60.674(b) (see **Section V. B. Monitoring**), including dates and any corrective actions taken, in a logbook (in written or electronic format). The owner or operator must keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available to KDHE upon request.
5. The owner or operator shall submit written reports of the results of all required performance tests conducted to demonstrate compliance with the standards, including reports of opacity observations made using Method 9 to demonstrate compliance.
6. The owner or operator of any wet material processing operation that processes saturated and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. At the time of such change, this screening operation, bucket elevator, or belt conveyor becomes subject to the applicable opacity limit in §60.672(b) and the emission test requirement of §60.11.
7. Notify KDHE's Air Compliance and Enforcement Section within 30 days of the use of wet suppression water sprays (e.g. spray bars) to any of the approved Subpart 000 equipment listed in Attachment 1, Table C, that commence construction, modification, or reconstruction on or after April 22, 2008.

VI. Facility-wide Notification, Recordkeeping, and Reporting

- A. The owner or operator shall notify the Air Program Field Staff at the appropriate KDHE district or local office within 30 days of completing the installation and commencing operations so that an evaluation maybe conducted. Please see the attached map, also found at <http://www.kdheks.gov/bar/download/AQDistrictMaps.pdf> to determine the contact information for the appropriate district or local office.
- B. If the portable source covered by this permit is moved, written notification is required by K.A.R. 28-19-9(c). Written notification should be sent to the appropriate district office at least ten (10) days before the source commences operation at the new location. The notification shall identify the scheduled date that operation at the new location is to begin and the expected operating period at the location. Please see the attached map, also found at <http://www.kdheks.gov/bar/download/AQDistrictMaps.pdf> to determine the contact information for the appropriate district or local office.
- C. The owner or operator shall maintain a log showing the date of all routine or other maintenance, malfunction or repair of the air pollution control equipment, the nature of the action taken on such date and any corrective action or preventative measures taken.
- D. All records shall be updated monthly, no later than the last day of the month following the month to which the records relate. All records must be located at the facility, whenever operating at that facility, for a minimum period of 2 years after the date of the record.
- E. The owner or operator shall maintain records of the occurrence and duration of any malfunction or repair of the water spray system (facilities using controlled factors only) as required by K.A.R. 28-19-501(d)(3).

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- F.** A construction permit or approval must be issued by KDHE prior to commencing any construction or modification of equipment or processes which meets any of the conditions in K.A.R. 28-19-300 requiring a construction permit or approval, or results in potential emission increases equal to or greater than the thresholds specified in K.A.R. 28-19-300.

VII. General Provisions

- A.** This document shall become void if the construction or modification has not commenced within 18 months of the effective date, or if the construction or modification is interrupted for a period of 18 months or longer.
- B.** A construction permit or approval must be issued by KDHE prior to commencing any construction or modification of equipment or processes which results in potential-to-emit increases equal to or greater than the thresholds specified at K.A.R. 28-19-300.
- C.** Upon presentation of credentials and other documents as may be required by law, representatives of the KDHE (including authorized contractors of the KDHE) shall be allowed to:
1. enter upon the premises where a regulated facility or activity is located or conducted or where records must be kept under conditions of this document;
 2. have access to and copy, at reasonable times, any records that must be kept under conditions of this document;
 3. inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this document; and
 4. sample or monitor, at reasonable times, for the purposes of assuring compliance with this document or as otherwise authorized by the Secretary of the KDHE, any substances or parameters at any location.
- D.** The emission unit or stationary source which is the subject of this document shall be operated in compliance with all applicable requirements of the Kansas Air Quality Act and the federal Clean Air Act.
- E.** This document is subject to periodic review and amendment as deemed necessary to fulfill the intent and purpose of the Kansas Air Quality Statutes and Regulations.
- F.** This document does not relieve the permittee of the obligation to obtain any approvals, permits, licenses, or documents of sanction which may be required by other federal, state, or local agencies.

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PLEASE READ

As provided for in K.S.A. 65-3008b(e), an owner or operator may request a hearing within 15 days after affirmations, modification or reversal of a permit decision pursuant to subsection (b) of K.S.A. 65-3008a. In the Request for Hearing, the owner or operator shall specify the provision of this act or rule and regulation allegedly violated, the facts constituting the alleged violation and secretary's intended action. Such a request must be submitted to: Director, Office of Administrative Hearings, 1020 S. Kansas Avenue, Topeka, Kansas 66612-1327. Failure to submit a timely request shall result in a waiver of the right to a hearing.

CERTIFICATION

I certify that I have read and understand the above requirements and conditions applicable to my source/facility and that the above information and attachments provided in this document are true, accurate, and complete to the best of knowledge.

Signature: _____ Date: _____

Name: _____ Title: _____

PERMIT APPLICATION FEE FOR ROCK CRUSHERS

These requirements are found at K.A.R. 28-19-304(b) and K.A.R. 28-19-516.

Facility Name:

Source ID No: (leave blank if a new facility)

I. Construction permit application fee:

Please pay this amount --> \$ 1,000.00

II. Submit fee amount with your permit application. If you would like to pay by credit card, you may pay by phone by calling (785) 296-1570 or (785) 296-6024. If paying by mail, send to:

KDHE Bureau of Air
Attn: Air Permitting Section
1000 SW Jackson, Suite 310
Topeka, KS 66605

Please include the name of the facility and Source ID Number, if you have been assigned one.

Attachment 1
EQUIPMENT LIST
Duplicate this page as needed

Table A. Please list equipment manufactured, modified, or reconstructed (most recent) prior to August 31, 1983							
Equipment Description*	Manufacturer	Maximum Rated Capacity (tons/hr or size)	Date of Manufacture, Modification or Reconstruction (most recent)	Model No.	Serial No.	Company ID No.	Opacity Limit
Example Crusher	Universal	350	1980	053455	6203	06-616	20%
							20%
							20%
							20%
							20%
							20%
							20%
							20%
							20%
							20%

*Please list each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, hopper, enclosed truck or railcar loading station.

Attachment 1
EQUIPMENT LIST
Duplicate this page as needed

Table B. Please list equipment manufactured, modified, or reconstructed (most recent) between August 31, 1983 and April 22, 2008								
Equipment Description*	Manufacturer	Maximum Rated Capacity (tons/hr or size)	Date of Manufacture, Modification or Reconstruction (most recent)	Model No.	Serial No.	Company ID No.	Performance Testing Required?	Opacity Limit (see below)
Example Primary Crusher	Cedar Rapids	400	2007	R10152	5054	EU1	Yes	15%
							Yes	
							Yes	
							Yes	
							Yes	
							Yes	
							Yes	
							Yes	
							Yes	
							Yes	

*Crushers (**opacity limit 15%**)

Screening operations (**opacity limit 10%**)

Grinding mills (**opacity limit 10%**)

Storage bins (**opacity limit 10%**)

Enclosed truck or railcar loading station (**opacity limit 10%**)

Belt conveyors (**opacity limit 10%**)

Bucket elevators (**opacity limit 10%**)

Bagging operations (**opacity limit 10%**)

Hoppers (**opacity limit 10%**)

Attachment 1
EQUIPMENT LIST
Duplicate this page as needed

Table C. Please list equipment manufactured, modified, or reconstructed (most recent) after April 22, 2008

Equipment Description*	Manufacturer	Maximum Rated Capacity (tons/hr or size)	Date of Manufacture, Modification or Reconstruction (most recent)	Model No.	Serial No.	Company ID No.	Opacity Limit (see below)	Performance Test Required	Repeat performance testing every 5 years?
Example Screen	Astec	6'x12'	2010	15A-069	6203	672A	7%	Yes	Yes
								Yes	Yes
								Yes	Yes
								Yes	Yes
								Yes	Yes
								Yes	Yes
								Yes	Yes
								Yes	Yes
								Yes	Yes
								Yes	Yes
								Yes	Yes

*Crushers (**opacity limit 12%**)

Screening operations (**opacity limit 7%**)

Grinding mills (**opacity limit 7%**)

Storage bins (**opacity limit 7%**)

Enclosed truck or railcar loading station (**opacity limit 7%**)

Belt conveyors (**opacity limit 7%**)

Bucket elevators (**opacity limit 7%**)

Bagging operations (**opacity limit 7%**)

Hoppers (**opacity limit 7%**)

KDHE District Offices and Local Agency Air Programs

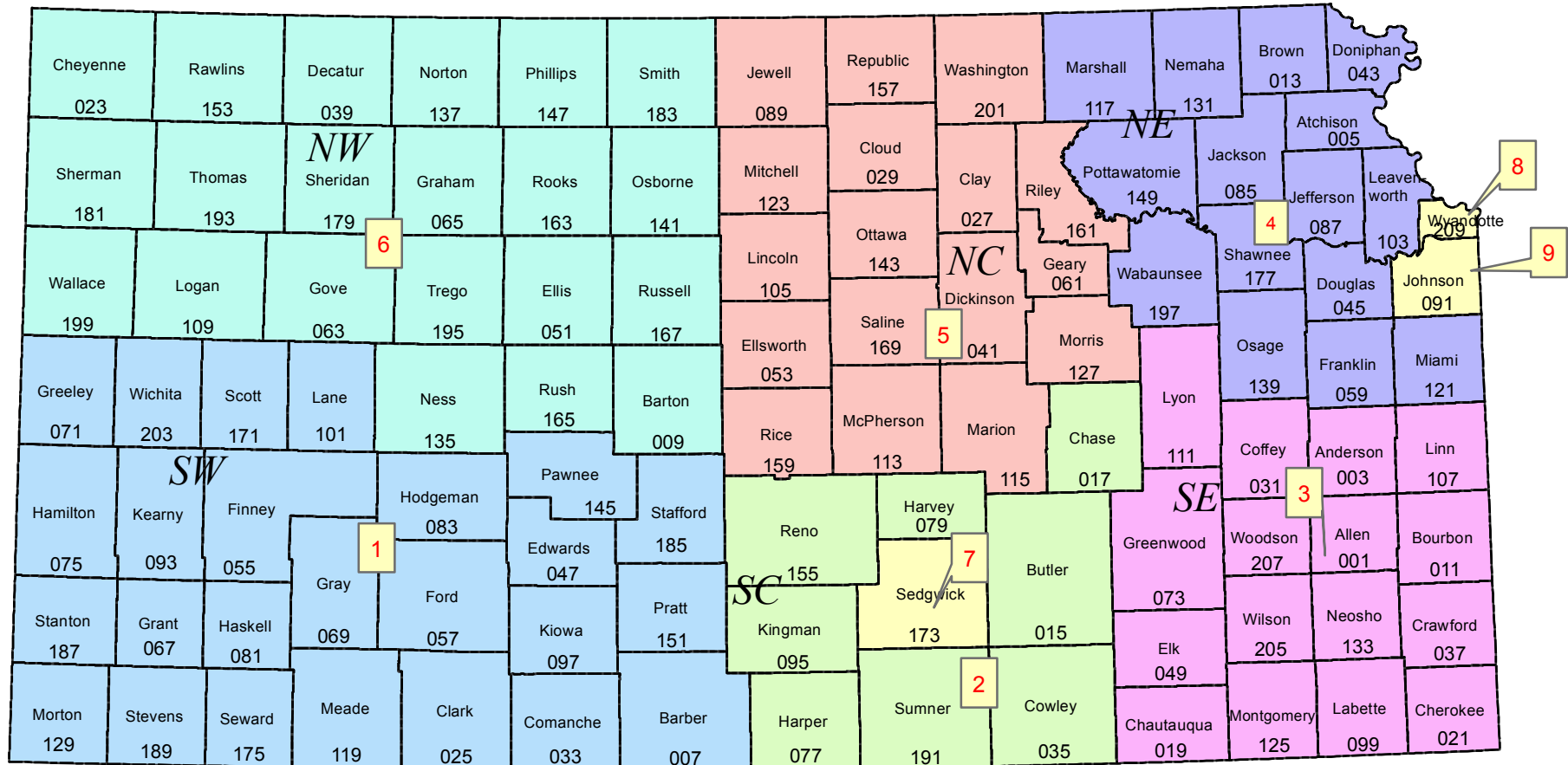
6 Larissa Parker
Northwest Dist. Office
2301 East 13th Street
Hays, KS 67601-2651
Ph: 785-625-5663
Fax: 785-625-4005
DEA: Dan Wells

5 Joshua Webb
North Central Dist. Office
2501 Market Place, Suite D
Salina, KS 67401
Ph: 785-827-9639
Fax: 785-827-1544
DEA: Jennifer Nichols

4 Pat Simpson
Northeast Dist. Office
800 West 24th Street
Lawrence, KS 66046
Ph: 785-842-4600
Fax: 785-842-3537
DEA: Julie Coleman

8 Bruce Andersen
Unified Gov't of Wyandotte County-
Kansas City, Kansas Health Dept.
619 Ann Avenue
Kansas City, KS 66101
Ph: 913-573-6700
Fax: 913-342-5634

9 Mike Boothe
Johnson County Dept of
Health & Environment
11811 S. Sunset, Suite 2700
Olathe, KS 66061
Ph: 913-715-6939
Fax: 913-715-6970



1 Ethel Evans
Southwest District Office
302 West McArtor Rd
Dodge City, KS 67801-6098
Ph: 620-225-0596
Fax: 620-225-3731
DEA: Erich Glave

1 Ethel Evans
Ulysses Satellite Office
313 Oklahoma Terrace
Ulysses, KS 67880
Ph: 620-356-1075
Fax: 620-356-1078
DEA: Erich Glave

7 Randy Owen
City of Wichita Env. Health
1900 East 9th Street
Wichita, KS 67214
Ph: 316-268-8353
Fax: 316-268-8390

2 David Butler
South Central Dist. Office
300 West Douglas Suite 700
Wichita, KS 67202-2921
Ph: 316-337-6042 (Dave)
Ph: 316-337-6020 (Office)
Fax: 316-337-6055
DEA: Allison Herring

3 Doug Cole
Southeast Dist. Office
308 W 14th Street
Chanute, KS 66720
Ph: 620-860-7235
Fax: 620-431-1211
DEA: Victoria O'Brien



**Kansas Department of Health and Environment
Division of Environment
Bureau of Air**

RELOCATION NOTIFICATION

- 1) Source ID Number: _____

- 2) Company/Source Name: _____

- 3) K.A.R. 28-19-9(c) requires that written notice for moving subject equipment to another location be given to air quality official of the district to which the equipment is being relocated at least 10 days prior to commencing operations at the new location. Use the enclosed map to determine the appropriate address and telephone number of the district air quality at the new location. Complete the following information:
 - (a) Description of the equipment being moved: _____

 - (b) Descriptions of the old and new locations: _____

 - (c) Scheduled date that operations are to commence at the new location: _____
 - (d) Expected operating period at the new location: _____

- 4) If the facility plans to relocate to another state, please indicate the state and anticipated date of relocation/return to Kansas: _____



**Kansas Department of Health and Environment
Division of Environment
Bureau of Air**

NSPS NOTIFICATION for ROCK CRUSHERS

Date: _____

- 1) Source ID #: _____
- 2) Company/Source Name: _____
- 3) Address (Location): _____
- 4) Contact Person(s): _____
- 5) 40 CFR 60 Subpart: OOO
- 6) Subject Equipment: _____
- 7) Site ID #: _____
- 8) Site Location of Equipment: _____
- 9) C #: _____

ACTION AND REQUIRED TIME PERIOD

DATE OF ACTION

_____ Actual equipment start-up (within 15 days after)	_____
_____ Maximum production achieved (within 15 days after) . . .	_____
_____ Scheduled performance test (7 days prior)	_____
_____ Date of Actual Performance Test.	_____
_____ Performance test report submitted (within 30 days)	_____

Comments: _____

Return completed forms to: Air Compliance and Enforcement Section

1000 SW Jackson, Suite 310
Topeka, Kansas 66612-1366